

LOW ANGLE INTERSECTING AND SKEW AXIS FACE GEAR

ABSTRACT OF THE DISCLOSURE

An adapter gear for allowing rotating shafts having a low angular difference to interact is provided. The adapter gear is a low angle face gear that includes a drum having an inner cylindrical wall adapted to be mounted on a shaft, and a drum face connected to the inner cylindrical wall. A gear ring is mounted on and fixed to the drum face and gear teeth are formed on an outer circumference of the gear ring. A vector normal to the gear teeth at a radial and a vector perpendicular to the inner cylindrical wall at the radial have an angular difference that is less than 30°.

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